

BAB V

SIMPULAN DAN SARAN

5.1 Simpulan

Berdasarkan permasalahan, tujuan penelitian serta deskripsi hasil dan pembahasan yang telah diuraikan sebelumnya, penggunaan gambar sebagai representasi submikroskopik dari fenomena perubahan wujud zat dalam membangun pemahaman konsep di level submikroskopik siswa kelas X SMA Negeri 3 Gorontalo. Hasil penelitian menunjukkan bahwa.

- a) Kemampuan siswa dalam membangun pemahaman konsep di level submikroskopik dengan menggunakan gambar sebagai representasi dari fenomena perubahan wujud zat rendah (<60%) diukur berdasarkan indikator kemampuan siswa menafsirkan gambar fenomena faktual (A) dengan benar (42,7%), kemampuan siswa menghubungkan diagram gambar submikroskopik (B) dengan gambar fenomena faktual perubahan wujud zat dengan benar (53,6%), kemampuan siswa menjelaskan keadaan submikroskopik (C) perubahan wujud zat dengan benar (42,5%).
- b) Kerancuan pemahaman siswa dalam membangun pemahaman konsep di level submikroskopik yang diukur berdasarkan indikator kerancuan siswa dalam menafsirkan gambar fenomena faktual (A) R1 (16,1%) R2 (16,5%), kerancuan siswa dalam menghubungkan gambar diagram submikroskopik (B) dengan gambar fenomena faktual R1 (3,5%) R2 (13,24%), serta kerancuan siswa dalam menjelaskan keadaan representasi submikroskopik (C) R1 (11,02%) R2 (10,66%)

5.2 Saran

Berdasarkan hasil penelitian yang dilakukan peneliti diharapkan :

- 1.) Rendahnya pemahaman siswa di level submikroskopik maka diperlukan penelitian lebih lanjut terkait dengan bagaimana tingkat pengalaman belajar, kemampuan penalaran, kesulitan dan pemecahan masalah siswa di level submikroskopik.
- 2.) Kerancuan terjadi karena pengembangan pemahaman sendiri oleh siswa setelah belajar, sehingga perlu penggunaan media visual yang lebih baik untuk menggali kemampuan membangun pemahaman siswa di level submikroskopik terkait menafsirkan makna dari gambar makroskopis maupun menerjemahkan gambar diagram submikroskopik menjadi persamaan reaksi (simbolik) dan sebaliknya.

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